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**Cover:** Nociceptive neurons and their axons extending towards the spinal cord are marked by blue staining. The image is of a mouse embryo that expresses the tau-lacZ marker instead of the TrkA gene. TrkA is the receptor for nerve growth factor and plays an essential role in the development and function of nociceptive neurons. Photo by Ardem Patapoutian.

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**Cover:** Growth cone showing GAP-43 mRNA (red) and HuD RNA binding protein (green) with colocalization (yellow), which is consistent with an association of these elements. The axon is located at the bottom and filopodia are located at the top of the micrograph. From the article by Smith et al., on page 222.

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**Cover:** A false-color immunofluorescent image of a *Drosophila* neuromuscular junction labeled with an antibody that recognizes the cell adhesion molecule Fasciclin II. This image was obtained from a larva grown at high population density. The red color indicates high levels of Fasciclin II present at the neuromuscular junction, in part explaining why larvae grown at high density have less elaborate nerve terminals than those grown at low density. See the article by Stewart and McLean on page 392.

